

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	(personal adj area adj network or pan or short adj range or bluetooth) and ((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certification) with (application\$1)) and (certification with (first and second))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:00
L2	1372	(personal adj area adj network or pan or short adj range or bluetooth) and ((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:02
L3	341	(personal adj area adj network or pan) and ((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:02
L4	98	(personal adj area adj network or pan) and ((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf).ab. and ((certifi\$6 or authenticat\$3) with (application\$1)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:03

## EAST Search History

L5	50	(personal adj area adj network or pan) and ((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf).ab. and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with (ms or device or unit or terminal or station))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:29
L6	50	5 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:04
L7	6	(personal adj area adj network or pan) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with (ms or device or unit or terminal or station))))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:22
L8	6	(personal adj area adj network or pan) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with (ms or device or unit or terminal or station))))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:28

## EAST Search History

L9	0	(personal adj area adj network or pan) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) with first) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with second with (ms or device or unit or terminal or station))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:25
L10	0	(personal adj area adj network or pan) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with second with (ms or device or unit or terminal or station))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:24
L11	0	(personal adj area adj network or pan) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with second with (ms or device or unit or terminal or station) with (without with network))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:28

## EAST Search History

L12	0	(personal adj area adj network or pan) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with second with (ms or device or unit or terminal or station) with (without with network)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:27
L13	0	(personal adj area adj network or pan) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) with first) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with second with (ms or device or unit or terminal or station)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:26
L14	0	(personal adj area adj network or pan or adhoc or ad adj hoc or ad-hoc) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with second with (ms or device or unit or terminal or station) with (without with network)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:27

## EAST Search History

L15	0	(personal adj area adj network or pan or pan or adhoc or ad adj hoc or ad-hoc) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with second with (ms or device or unit or terminal or station) with (without with network))))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:35
L16	10	(personal adj area adj network or pan or pan or adhoc or ad adj hoc or ad-hoc) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with (ms or device or unit or terminal or station))))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:28
L17	4	16 not 8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:28
L18	88	(personal adj area adj network or pan or pan or adhoc or ad adj hoc or ad-hoc) and ((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf).ab. and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station)) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with (ms or device or unit or terminal or station))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:29

## EAST Search History

L19	38	18 not 5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:29
L20	37	19 not 16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:29
L21	37	20 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:29
L22	0	(personal adj area adj network or pan or pan or adhoc or ad adj hoc or ad-hoc) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or authoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with (additional or second or another) with (ms or device or unit or terminal or station) with (without with network))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:36

## EAST Search History

L23	0	(personal adj area adj network or pan or pan or adhoc or ad adj hoc or ad-hoc) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or autoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) with (first or preliminary) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with (additional or second or another) with (ms or device or unit or terminal or station) with (without with network))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:36
L24	0	(personal adj area adj network or pan or pan or adhoc or ad adj hoc or ad-hoc) and (((application\$1 or service\$1) with (charg\$3 or rate or billing or proper or autoriz\$5 or authenticat\$3)) and (mobile or cellular or wireless or radio adj frequency or rf) and ((certifi\$6 or authenticat\$3) with (application\$1) with (ms or device or unit or terminal or station) with (first or preliminary) ) and ((certifi\$6 or authenticat\$3) with (control or controller or microprocessor or processor) with application with (additional or second or another) with (ms or device or unit or terminal or station) with (without with network)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/16 13:36